

ISAC Meeting – June 14-16

ACTION OR INFORMATION ITEM

SPONSOR (Name/Email): Stephen Phillips on behalf of EDRR Subcommittee

TOPIC: Draft Outline – PCR Whitepaper

SPEAKER (Name/Email): EDRRSC

1. DESCRIPTION OF AGENDA ITEM: The purpose of this agenda item will be for the EDRR subcommittee to present the most recent draft of the PCR white paper outline. The purpose of the document is to develop an outline of a white paper on early detection monitoring, specifically on polymerase chain reaction (PCR) techniques, applicability, scientific ability, validation protocols, and regulatory review. We are hoping that the outline is sufficiently developed to be considered for adoption by ISAC (after appropriate input).

NOTE: This agenda item relates to a second template – Kelly and Darling.

2. WHY IS THIS ITEM IMPORTANT TO NISC / ISAC? HOW IS IT RELATED TO THE NATIONAL INVASIVE SPECIES MANAGEMENT PLAN?

The increased interest in DNA-based tools for the identification, detection, and monitoring of invasive species has prompted widespread speculation on the future availability of inexpensive, rapid, and accurate means of identifying specimens and assessing biodiversity. There have been numerous examples in recent years of resource agencies struggling to make the right management decision because of inconclusive results from alternative laboratory analysis of invasive species (one example being dreissenid veliger plankton samples). In addition, agencies that are responsible for managing AIS require a separate and independent verification of early detection of AIS before taking any action. These agencies speak of a need to test the performance of individual laboratories and validate the reliability of their analytical results, as well establishing an accreditation program for lab certification.

3. PREVIOUS ACTIONS TAKEN BY NISC / ISAC ON THIS ITEM:

This is still at the subcommittee level.

4. ACTION REQUESTED OF NISC / ISAC:

Adoption/discussion of the draft PCR white paper outline. Discussion for process on development of full white paper.

5. ALTERNATIVES:

6. ATTACHMENTS: PCR White Paper Outline